INTERNATIONAL SEARCH REPORT

ional Application No

PCT/EP 02/08687 A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B65D77/20 B65B7/28 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7-B65D-B65B-B29CDocumentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to daim No. Citation of document, with indication, where appropriate, of the retevant passages Category ° 1-3.5. US 4 913 307 A (TAKATA YUKIO ET AL) 3 April 1990 (1990-04-03) 13,14 cited in the application column 6, line 1 - line 49; figures 4,5 6,7,9 EP 0 978 460 A (DANISCO FLEXIBLE FRANCE) 6,7,9 9 February 2000 (2000-02-09) column 2, line 49 -column 6, line 4; 13,14 figures 1,2 EP 0 868 368 B (SOPLARIL SA) 7 October 1998 (1998-10-07) 1-3,9, 10,13,14 cited in the application column 3, line 58 -column 10, line 73; figures 1-5 Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: "I" later document published after the International filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *A* document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the International "X" document of particular relevance; the ctairned invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken atone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

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- *&* document member of the same patent family

Date of mailing of the International search report Date of the actual completion of the international search 20/12/2002 12 December 2002

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INTERNATIONAL SEARCH REPORT

ational Application No PCT/EP 02/08687

	tion) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	1-3,5,8 1-3,9	
A.	EP 0 160 975 A (NYFFELER CORTI AG) 13 November 1985 (1985-11-13) page 2, line 32 -page 4, line 36; figure 1		
A	US 5 145 737 A (BOIRON GUY F V ET AL) 8 September 1992 (1992-09-08) cited in the application column 3, line 26 - line 43; figures 1,2		
A	DE 34 13 352 A (TERUMO CORP) 31 October 1984 (1984-10-31) cited in the application figure 12	1	
A :	DE 39 35 480 A (TETRA PAK GMBH) 2 May 1991 (1991-05-02) cited in the application figure 10	1	
A	EP 1 053 865 A (SOPLARIL SA) 22 November 2000 (2000-11-22) paragraph '0045!	1,11	
	-	·	
		:	
. •	0		

ational Application No INTERNATIONAL SEARCH REPORT PCT/EP 02/08687 Patent document dted in search report Publication Patent family Publication . member(s) date US 4913307 03-04-1990 2571569 B2 16-01-1997 JP 63218058 A 12-09-1988 JP 1909000 C 24-02-1995 6033110 B JP 02-05-1994 JP 63096063 A 26-04-1988 JP. 1099980 A 18-04-1989 JP 2681060 B2 19-11-1997 18-02-1992 CA 1295958 A1 DE 3778277 D1 21-05-1992 ΕP 0262652 A1 06-04-1988 9102152 B1 KR 06-04-1991 US 4801041 A 31-01-1989 BR 8704972 A 17-05-1988 EP 0978460 09-02-2000 FR2782066 A1 11-02-2000 0978460 A1 09-02-2000 ΕP EP 0868368 В 07-10-1998 FR 2741605 A1 30-05-1997 AT 198579 T 15-01-2001 01-06-2000 720465 B2 ΑU ΑU 1033797 A 19-06-1997 69611544 D1 DE 15-02-2001 DE 69611544 T2 13-06-2001 DK 868368 T3 21-05-2001 EP 0868368 A1 07-10-1998. 3035539 T3 GR 29-06-2001 31-10-2000 25-01-2000 ΙL 124428 A JP 2000500722 T NO 982381 A 26-05-1998 323403 A NZ 26-05-2000. US 6302290 B1 16-10-2001 CA 2236321 A1 05-06-1997 ΕP 1074482 A1 07-02-2001 ES 2154846 T3 16-04-2001 WO 9719867 A1 05-06-1997 07-01-2002 3244507 B2 JΡ PT 868368 T 29-06-2001 EP 0160975 13-11-1985 DE 3416755 A1 07-11-1985 DE 3576805 D1 03-05-1990 EP 0160975 A2 13-11-1985 US 4673601 A 16-06-1987 08-09-1992 US 5145737 FR 2628071 A1 08-09-1989 ΑT 85582 T 15-02-1993 AU 3089689 A 07-09-1989 CA 1307503 A1 15-09-1992 01-11-1989 CN 1036738 A ,B DE 68904788 D1 25-03-1993 26-08-1993 DE 68904788 T2 EP 0334700 A1 27-09-1989 01-10-1993 ES 2039887 T3 HK 136194 A 09-12-1994 JP 2019263 A 23-01-1990 PT 89900 A ,B 10-11-1989 DE 3413352 31-10-1984 JP 1502378 C. 28-06-1989

JP.

12-11-1984

59199461 A

INTERNATIONAL SEARCH REPORT

__Intlonal Application No CT/EP 02/08687

					PCT/EP	02/08687	
Patent doo cited in sean		Publication date		ent family mber(s)	1	Publication date	
DE 3413	352 A			3030225	В	16-06-1988	-
		,	BE	899376	·A1	31-07-1984	
	•			3413352	A1 ·	31-10-1984	
* .				2545453	.A1	09-11-1984	
			US 4	589568	Α	20-05-1986	
			US 4	689099	Α	25-08-1987	
DE 3935	180 A			935480		02-05-1991	
	• • •		AT	99625		15-01-1994	
	•			636670		06-05-1993	
				463090		02-05-1991	
				028339		26-04-1991	
			CS 9	005196		18-03-1992	
			DE 59	004118		17-02-1994	
				424649		31-01-1994	
				424649		02-05-1991	
			ES 2	047786		01-03-1994	
•			HU.	96936		14-06-1996	
				57142 212348		28-11-1991	
				287485		17-09-1991 03-06-1991	٠.
	:			838201		30-08-1993	
				114068		19-05-1992	
EP 10538	365 A	22-11-2000	FR 2	793724	A1	24-11-2000	
••				752289		12-09-2002	
*			AU 3	537000		23-11-2000	
	0			009254		23-04-2002	
				308991		21-11-2000	
	¢ .			001878		17-10-2001	
1				053865		22-11-2000	
				000325		30-06-2001	•
				001948 323184		28-12-2000	
•				010661		09-09-2002 16-01-2001	
				010001		22-11-2000	
	•			504629		30-03-2001	•
- 1							
			PL	340178		04-12-2000	